

Missouri Department of Natural Resources

Total Maximum Daily Load Information Sheet

Wyaconda Lake

Waterbody Segment at a Glance:

County: Clark
Nearby Cities: Wyaconda
Area of impairment: None
Pollutant: None
Source: N/A

Note: Long term average Atrazine levels in Wyaconda Lake now meet state standards. Therefore, this lake was deleted from the 2002 303(d) List.



State map showing location of watershed

TMDL Priority Ranking: N/A

Description of the Problem

Beneficial Uses of Wyaconda Lake

- Livestock and Wildlife Watering
- Protection of Warm Water Aquatic Life
- Protection of Human Health associated with Fish Consumption
- Boating and Canoeing
- Drinking Water Supply

Use that is Impaired

- N/A

Standards that apply

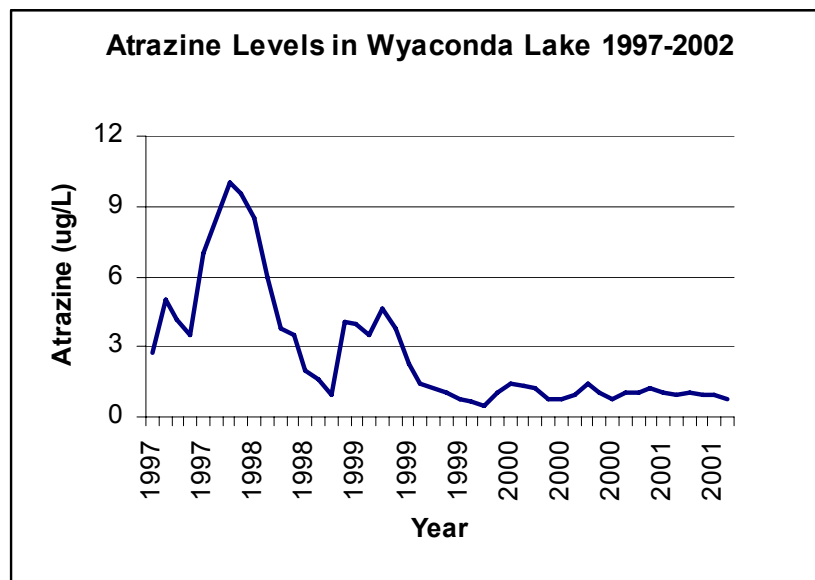
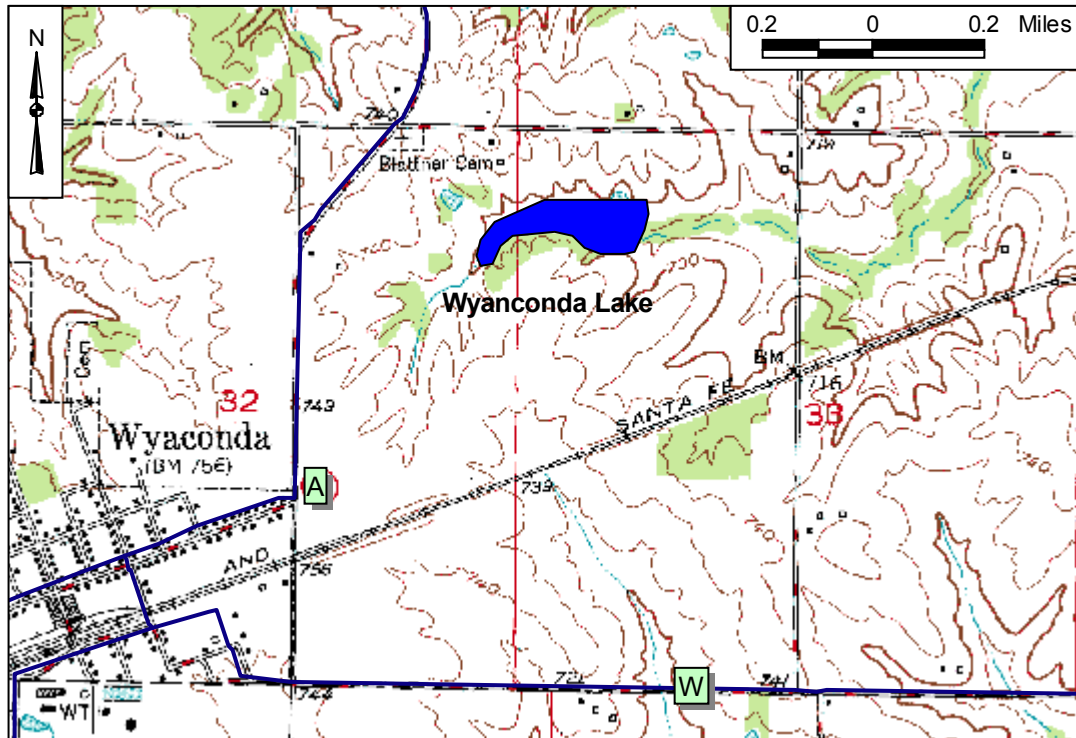
- Missouri's Water Quality Standards 10 CSR 20-7.031, Table A, allows a maximum of 3 micrograms per liter ($\mu\text{g/L}$) atrazine. Because this number is based on health risk associated with a 70-year exposure period, the 3 $\mu\text{g/L}$ is interpreted as a long term average.

Background Information and Water Quality Data

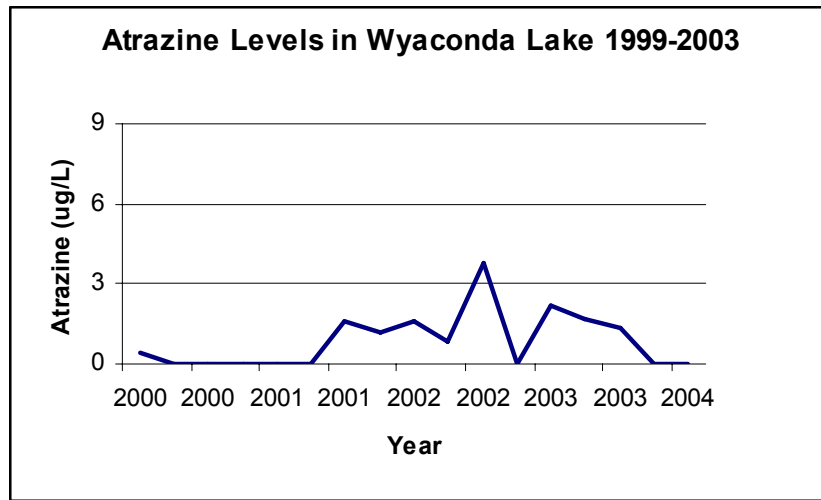
Wyaconda Lake is a drinking water source for the city of Wyaconda. The Missouri Department of Natural Resources, Monsanto Inc. and Novartis Inc. took measurements of atrazine in the lake. Atrazine is a herbicide widely used for control of broadleaf and grassy weeds. It is the most heavily used herbicide for corn and sorghum in Missouri. Since 1993, however, its uses have been greatly restricted. Elevated levels of atrazine have been detected in Wyaconda Lake. In recent years the levels of atrazine have decreased considerably and the long term average concentration is now 2.20

µg/L and this reservoir has been deleted from the 303(d) list. Continued monitoring of the lake will be necessary to ensure the safety of the drinking water supply. The following information contains a map of the lake area and graphs that summarize the existing data.

Wyaconda Lake in Clark County, Missouri



Source: Novartis Inc.



Source: Missouri

Department of Natural Resources

For more information call or write:

Missouri Department of Natural Resources

Water Protection Program

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